

## SEQUENCE LISTING

<110> Gaiger, Alexander  
Cheever, Martin A.

<120> COMPOSITIONS AND METHODS FOR WT1  
SPECIFIC IMMUNOTHERAPY

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<400> 231

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Val Lys Trp Thr Glu Gly Gln Ser Asn  
1 5

<400> 241  
Val Leu Asp Phe Ala Pro Pro Gly Ala  
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<400> 242  
 Val Pro Gly Val Ala Pro Thr Leu Val  
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Val Arg His His Asn Met His Gln Arg
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Tyr Gln Met Thr Ser Gln Leu Glu Cys  
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Tyr Arg Ile His Thr His Gly Val Phe  
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Tyr Ser Ser Asp Asn Leu Tyr Gln Met  
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Ala Leu Leu Pro Ala Val Ser Ser Leu  
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 Ala Tyr Pro Gly Cys Asn Lys Arg Tyr  
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<212> PRT

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<213> Mus musculus

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Leu Gln Met His Ser Arg Lys His Thr  
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Asn Leu Tyr Gln Met Thr Ser Gln Leu  
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Pro Gly Ala Ser Ala Tyr Gly Ser Leu  
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Gln Gln Tyr Ser Val Pro Pro Pro Val  
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Gln Tyr Arg Ile His Thr His Gly Val  
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Gln Tyr Ser Val Pro Pro Pro Val Tyr  
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 Thr Glu Gly Gln Ser Asn His Gly Ile  
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 Thr Leu His Phe Ser Gly Gln Phe Thr  
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 Thr Leu Val Arg Ser Ala Ser Glu Thr  
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Val Leu Asp Phe Ala Pro Pro Gly Ala
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 <213> Mus musculus

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 Tyr Phe Lys Leu Ser His Leu Gln Met  
 1 5

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<400> 307  
 Tyr Gln Met Thr Ser Gln Leu Glu Cys  
 1 5

<210> 308  
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 <212> PRT  
 <213> Mus musculus

<400> 308  
 Tyr Ser Ser Asp Asn Leu Tyr Gln Met  
 1 5

<210> 309  
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 <213> Homo sapien

<400> 309  
 Gly Ala Ala Gln Trp Ala  
 1 5

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<400> 310  
 Ala Ser Ala Tyr Gly Ser Leu Gly Gly Pro Ala Pro  
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His Ala Ala Gln Phe  
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Cys His Thr Pro Thr Asp Ser Cys Thr Gly Ser Gln Ala Leu Leu Leu  
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Arg Thr Pro Tyr Ser Ser Asp Asn Leu Tyr Gln Met Thr Ser Gln Leu  
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<213> Homo sapien

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Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser  
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<213> Homo sapien

<400> 315  
Arg Tyr Phe Lys  
1

<210> 316  
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Ser	Leu	Gly	Gly	Gly	Gly	Gly	Cys	Ala	Leu	Pro	Val	Ser	Gly	Ala	Ala
			20					25					30		
Gln	Trp	Ala	Pro	Val	Leu	Asp	Phe	Ala	Pro	Pro	Gly	Ala	Ser	Ala	Tyr
		35					40					45			
Gly	Ser	Leu	Gly	Gly	Pro	Ala	Pro	Pro	Pro	Ala	Pro	Pro	Pro	Pro	Pro
	50					55					60				
Pro	Pro	Pro	Pro	His	Ser	Phe	Ile	Lys	Gln	Glu	Pro	Ser	Trp	Gly	Gly
65					70					75					80
Ala	Glu	Pro	His	Glu	Glu	Gln	Cys	Leu	Ser	Ala	Phe	Thr	Val	His	Phe
				85					90					95	
Ser	Gly	Gln	Phe	Thr	Gly	Thr	Ala	Gly	Ala	Cys	Arg	Tyr	Gly	Pro	Phe
			100					105					110		
Gly	Pro	Pro	Pro	Pro	Ser	Gln	Ala	Ser	Ser	Gly	Gln	Ala	Arg	Met	Phe
		115					120					125			
Pro	Asn	Ala	Pro	Tyr	Leu	Pro	Ser	Cys	Leu	Glu	Ser	Gln	Pro	Ala	Ile
	130					135						140			
Arg	Asn	Gln	Gly	Tyr	Ser	Thr	Val	Thr	Phe	Asp	Gly	Thr	Pro	Ser	Tyr
145					150					155					160
Gly	His	Thr	Pro	Ser	His	His	Ala	Ala	Gln	Phe	Pro	Asn	His	Ser	Phe
				165					170					175	
Lys	His	Glu	Asp	Pro	Met	Gly	Gln	Gln	Gly	Ser	Leu	Gly	Glu	Gln	Gln
			180					185					190		
Tyr	Ser	Val	Pro	Pro	Pro	Val	Tyr	Gly	Cys	His	Thr	Pro	Thr	Asp	Ser
		195					200					205			

Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp  
 210 215 220  
 Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln  
 225 230 235 240  
 Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser  
 245 250 255  
 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu  
 260 265 270  
 Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile  
 275 280 285  
 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro  
 290 295 300  
 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys  
 305 310 315 320  
 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys  
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 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp  
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 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln  
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 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr  
 385 390 395 400  
 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys  
 405 410 415  
 Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val  
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 Leu

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 35 40 45  
 Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro  
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 Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly  
 65 70 75 80  
 Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Leu His Phe  
 85 90 95  
 Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe  
 100 105 110  
 Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe  
 115 120 125

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Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Thr Ile  
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 Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Ala Pro Ser Tyr  
 145 150 155 160  
 Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe  
 165 170 175  
 Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln  
 180 185 190  
 Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser  
 195 200 205  
 Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp  
 210 215 220  
 Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln  
 225 230 235 240  
 Met Asn Leu Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser  
 245 250 255  
 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Gly Ile Gly Tyr Glu  
 260 265 270  
 Ser Asp Asn His Thr Ala Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile  
 275 280 285  
 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Ser  
 290 295 300  
 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys  
 305 310 315 320  
 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys  
 325 330 335  
 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro  
 340 345 350  
 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp  
 355 360 365  
 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln  
 370 375 380  
 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr  
 385 390 395 400  
 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys  
 405 410 415  
 Arg Trp His Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val  
 420 425 430  
 Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu His Val Ala  
 435 440 445  
 Leu

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&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapien and Mus musculus

&lt;400&gt; 321

Pro Ser Gln Ala Ser Ser Gly Gln Ala

1

5

&lt;210&gt; 322

&lt;211&gt; 9

&lt;212&gt; PRT

<213> Homo sapien and Mus musculus

<400> 322

Ser Ser Gly Gln Ala Arg Met Phe Pro  
1 5

<210> 323

<211> 9

<212> PRT

<213> Homo sapien and Mus musculus

<400> 323

Gln Ala Arg Met Phe Pro Asn Ala Pro  
1 5

<210> 324

<211> 9

<212> PRT

<213> Homo sapien and Mus musculus

<400> 324

Met Phe Pro Asn Ala Pro Tyr Leu Pro  
1 5

<210> 325

<211> 9

<212> PRT

<213> Homo sapien and Mus musculus

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Pro Asn Ala Pro Tyr Leu Pro Ser Cys  
1 5

<210> 326

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<212> PRT

<213> Homo sapien and Mus musculus

<400> 326

Ala Pro Tyr Leu Pro Ser Cys Leu Glu  
1 5